



$$\text{so) } 3a = 6b = 5c$$

$$\frac{3a}{6b} = \frac{6b}{5c}$$

$$3a = 6b$$

$$6b = 5c$$

$$\Rightarrow a:b = b:c$$

$$= 2:1 = 5:6$$

$$a:b:c$$

$$= 2:1:5$$

$$\frac{2}{10} = \frac{1}{5} = \frac{5}{25}$$

$$10:5:25$$

②

NT12B (12, 5, 18, 15, 20)

① 12) $4:8:16$

$$= 2:4:8$$

$$= 1:2:4$$

④ 15) Peter share = Chapman's = Betty's

$$= \frac{2}{1} = \frac{3}{1} = \frac{2}{1}$$

$$2 = 3 = 6$$

⑤ 5) Find $a:b:c$

if $\frac{a}{b} = \frac{2}{1}$, $\frac{b}{c} = \frac{1}{5}$

Area of Chapman's share

$$= 1320 \times \frac{3}{2+3+6}$$

$$= 1320 \times \frac{3}{11}$$

$$= 360 \text{ m}^2$$

Method I:

$$a:b:c$$

$$2:1$$

$$5:1$$

$$a:b:c = 10:5:1$$

② Method II: $\frac{a}{b} = \frac{2}{1} = \frac{2 \times 5}{1 \times 5} = \frac{10}{5}$

⑥ a) Ratio of $\frac{\text{Tsing Ma}}{A} = \frac{\text{Kwai Chung}}{B} = \frac{\text{Tsing Kowloon}}{C}$

$$= 2:2 = 0.8 = 1.2$$

$$= 22 = 8 = 12$$

$$= 11 = 4 = 6$$

5b) $a:b=3:1$

$c=2b \Rightarrow \frac{b}{c} = \frac{5}{1}$

③ $a:b=c$

$$= 3:1$$

$$1:2$$

$$3:1:2$$

$a:b:c = 10:5:1$

④ 8. a) Ratio of ages of

Henry = his wife : daughter

$$= 32:28:4$$

$$= 8:7:1$$

b) Time to drive through other 2 bridges is

Time to drive through Tsing Kowloon

$$\frac{x}{72s} = \frac{11+4}{6}$$

$$x = \frac{15}{6} \times 72 \text{ s}$$

b) Ratio of ^{their} ages of after 4 years.

Henry = wife : daughter

$$= 32+4:28+4:4+4$$

$$= 36:32:8$$

$$= 9:8:2$$

2 $x = 180 \text{ s}$

or (3 min)

\therefore Time to drive through other 2 bridges is 180 s (or 3 min)